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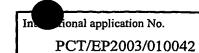


PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/EP2002 PCT INTERNATIONAL PRELIMINARY EXAMINATION REPORT								
	(PCT Arti	cle 36 and Rule 70)						
Applicant's or agent's file refere PCT 47/003 wes	FOR FURTHER		cation of Transmittal of Internation Examination Report (Form PCT/IPEA/4					
International application No. PCT/EP2003/01004	1	International filing date (day/month/year) Priority date (day/month/year) 10 September 2003 (10.09.2003) 11 September 2002 (11.						
International Patent Classification B01D 53/96	on (IPC) or national classification							
Applicant								
	ENVI	CA GMBH 						
This international prelinand is transmitted to the	minary examination report has be applicant according to Article 3	een prepared by this Interest.	national Preliminary Examining Authorit					
2. This REPORT consists	of a total of5 she	eets, including this cover	sheet.					
amended and are	so accompanied by ANNEXES, e the basis for this report and/or son 607 of the Administrative Inst	sheets containing rectification	ion, claims and/or drawings which have bations made before this Authority (see F					
These annexes c	consist of a total of3	sheets.						
3. This report contains inc	lications relating to the following	g items:						
I Basis o	of the report							
II Priority	1							
III Non-es	stablishment of opinion with rega	rd to novelty, inventive s	tep and industrial applicability					
IV Lack o	f unity of invention							
v Reason citation	ned statement under Article 35(2) as and explanations supporting si) with regard to novelty, in sch statement	nventive step or industrial applicability;					
	a documents cited							
VII Certain	defects in the international appl	ication						
	observations on the internation							
**************************************	····							
Date of submission of the dem	and	Date of completion	of this report					
22 March 20	004 (22.03.2004)	20:	January 2005 (20.01.2005)					
		1	•					
Name and mailing address of t	he IPEA/EP	Authorized officer						





I. I	Basis	of the r	report	
1.	With	regard t	to the elements of the international application:*	
		the inte	nternational application as originally filed	
i	\boxtimes	the des	escription:	
ĺ		pages	s	, as originally filed
1		pages		, filed with the demand
ł		pages		
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ļ .		pages	5	oc originally filed
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l				2001 (14.04.2004)
1	Ш		rawings:	
}		pages		, as originally filed
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	L] t	he sequ	uence listing part of the description:	
		pages	s	, as originally filed
1		pages	S	, filed with the demand
l		pages		
2.	me ii	e elemei	d to the language, all the elements marked above were available or furnished to this Authority is ional application was filed, unless otherwise indicated under this item. lents were available or furnished to this Authority in the following language anguage of a translation furnished for the purposes of international search (under Rule 23.1(b)).	n the language in which which is:
			anguage of publication of the international application (under Rule 48.3(b)).	
			anguage of the translation furnished for the purposes of international preliminary examination	(under Rule 55.2 and/
3.	With	minary (rd to any nucleotide and/or amino acid sequence disclosed in the international applicate examination was carried out on the basis of the sequence listing:	tion, the international
1	H		ained in the international application in written form.	
}			together with the international application in computer readable form.	
	\square		ished subsequently to this Authority in written form.	
1		furnis	ished subsequently to this Authority in computer readable form.	
		The sintern	statement that the subsequently furnished written sequence listing does not go beyond national application as filed has been furnished.	the disclosure in the
	Ш	The s been f	statement that the information recorded in computer readable form is identical to the written furnished.	n sequence listing has
4.		The ar	amendments have resulted in the cancellation of:	
			the description, pages	
		Ħ	the claims, Nos.	
1		Ħ	the drawings, sheets/fig	
5.		This re	report has been established as if (some of) the amendments had not been made, since they have not the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	been considered to go
	and 7	0.17).		endments (Rule 70.16
**	Any r	eplacen	ement sheet containing such amendments must be referred to under item 1 and annexed to this rep	oort.

I	International application No.
	PCT/ 03/10042

7.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

citations and explanations supported	.5		
Statement			YES
Novelty (N)	Claims	1-13	
•	Claims		NO
Inventive step (IS)	Claims	1-13	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-13	YES
industrial applications, (2.1)	Claims		NO

Citations and explanations 2.

Reference is made to the following document: 1.

> EP-A-0 974 397 (MITSUBISHI HEAVY IND CO), D1: 26 January 2000 (2000-01-26)

- Document D1, which is considered to be the prior art 2.1 closest to the subject matter of claim 1, discloses a method for regenerating DeNOx catalysts with reduced activity resulting from an accumulation of phosphorus and phosphorus compounds. The catalysts are treated with a substantially aqueous solution of water-soluble alkalically reactive alkaline earth salts, ammonium hydroxide or alkalically reactive ammonium salts or water-soluble organic amines with a pK between around 2.5 and 5.5, and excess alkali is neutralised by subsequent treatment with an organic or inorganic acid.
 - The subject matter of claim 1 differs from the known 2.2 method in that the reaction solution is also treated with low-frequency vibrations or ultrasound.
 - The subject matter of claim 1 is therefore novel (PCT 2.3 Article 33(2)).

- 3.1 The problem addressed by the present application can therefore be seen as that of developing a method for removing phosphorus from DeNOx catalysts that offers reduced treatment time and increased effectiveness.
- 3.2 The solution proposed in claim 1 of the present application involves an inventive step (PCT Article 33(3)) because there is nothing in D1 to suggest this solution to the problem with its distinguishing features, and because the solution according to claim 1 cannot be considered obvious.
- 4. Claims 2 to 13 are dependent on claim 1 and therefore also meet the PCT requirements in respect of novelty and inventive step.